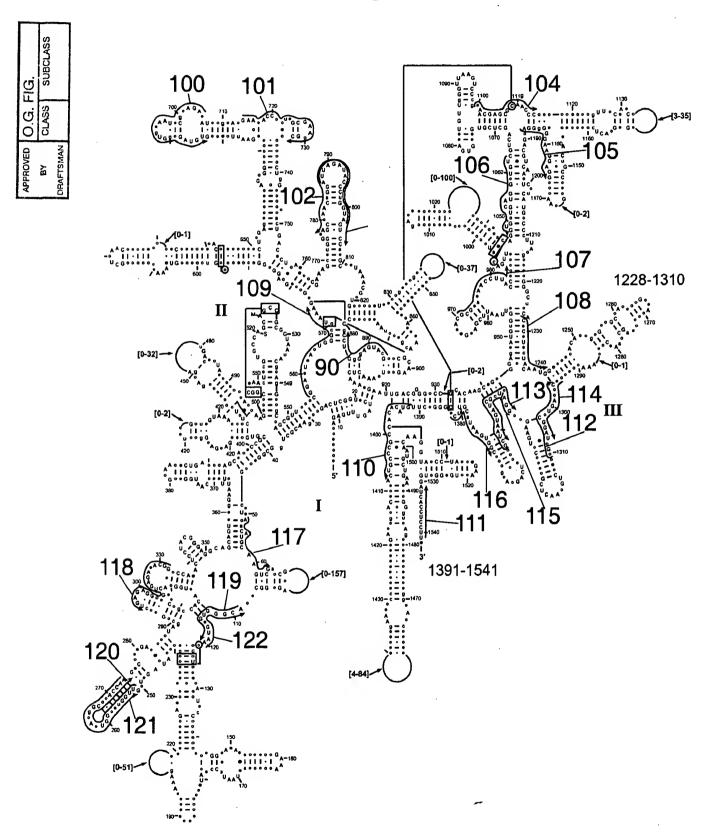
Fig. 1A

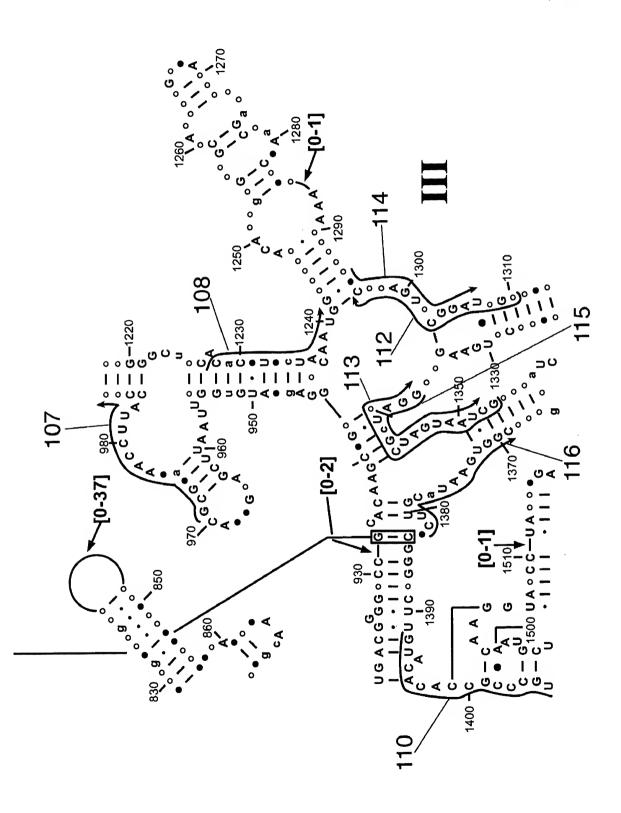


Docket No.: IBIS-0368 Appln. No: 09/891,793

Title: SECONDARY STRUCTURE DEFINING DATABASE AND METHOD
FOR DETECTION OF AN UNKNOWN AGENT THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 2 of 29

Fig. 1A-2

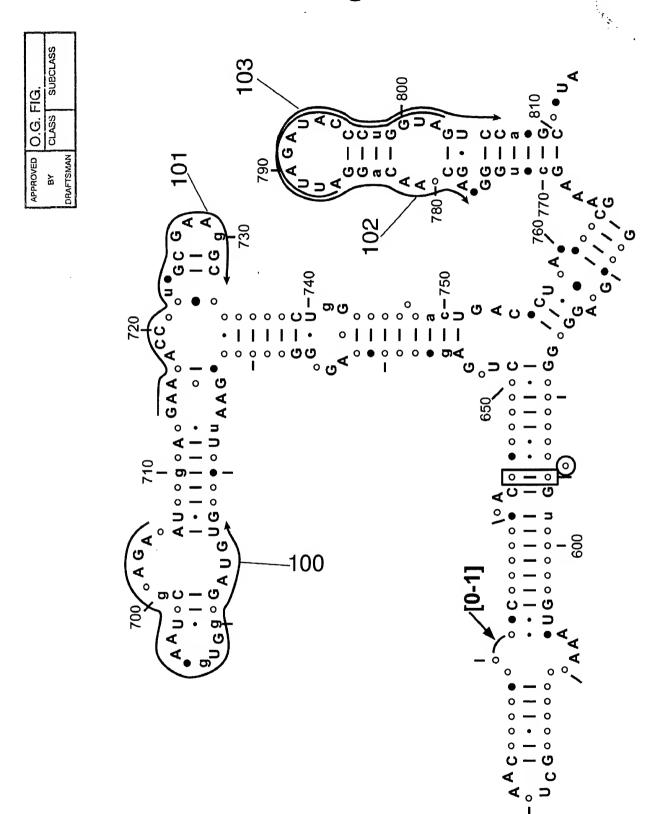
		4
FIG.	SUBCLASS	
O.G. FIG.	CLASS	
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Docket No.: IBIS-0368 Appln. No: 09/891,793

Title: SECONDARY STRUCTURE DEFINING DATABASE AND METHOD TO THE SECONDARY STRUCTURE DATABASE DATABASE AND METHOD TO THE SECONDARY STRUCTURE DATABASE DATAB

Fig. 1A-3



Docket No.: IBIS-0368 Appln. No: 09/891,793

Title: SECONDARY STRUCTURE DEFINING DATABASE AND METHODS

G IDENTITY AND GEOGRAPHIC ORIGIN OF AN

UNKNOWN GENT THEREBY

SUBCLASS

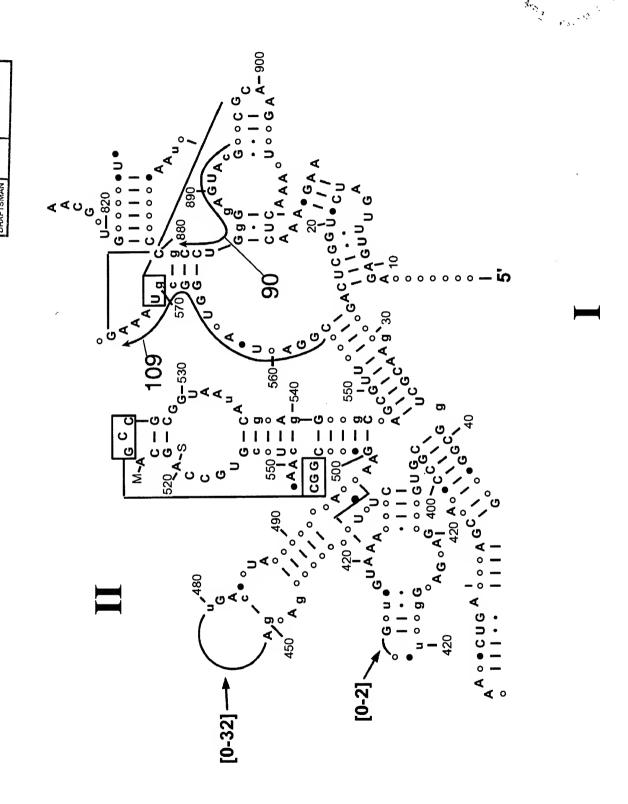
O.G. FIG. CLASS

β

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke

Fig. 1A-4

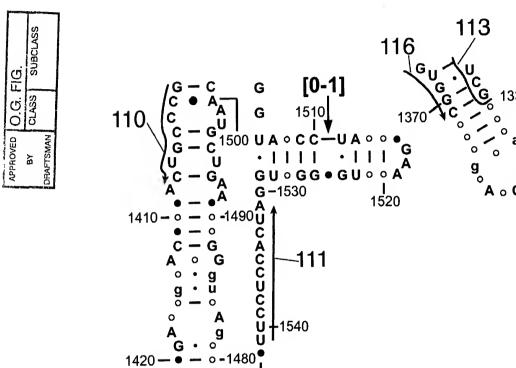
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UNKNOWN

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 5 of 29

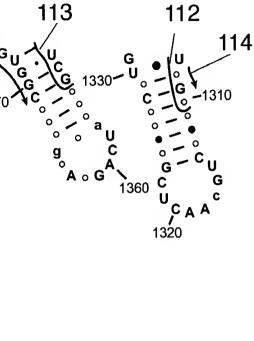
Fig. 1B-1

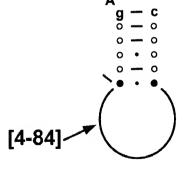


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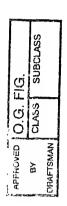
Docket No.: IBIS-0368 Appln. No: 09/891,793

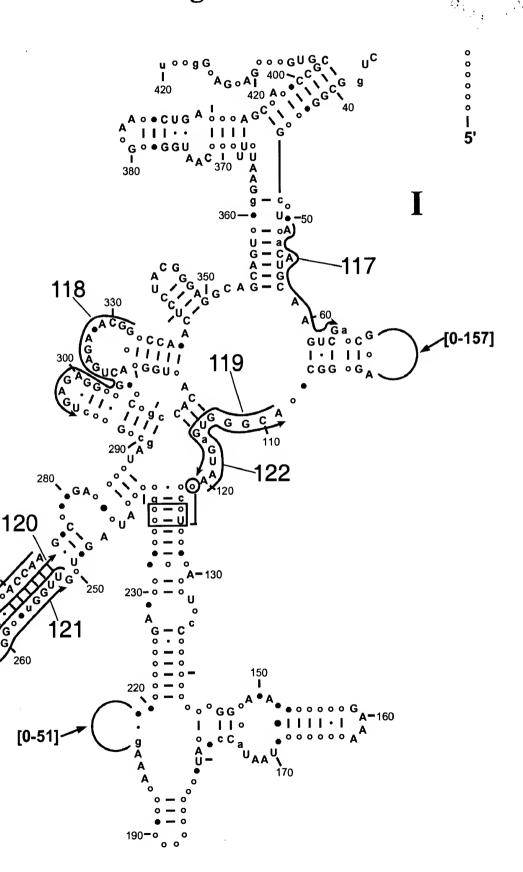
Title: SECO: ARY STRUCTURE DEFINING DATABASE AND METHO
FOR DETECTION OF IDENTITY AND GEOGRAPHIC ORIGIN OF AN
UNKNOWN AGENT THEREBY

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven

Hofstadler, John McNeil, Stanley T. Crooke

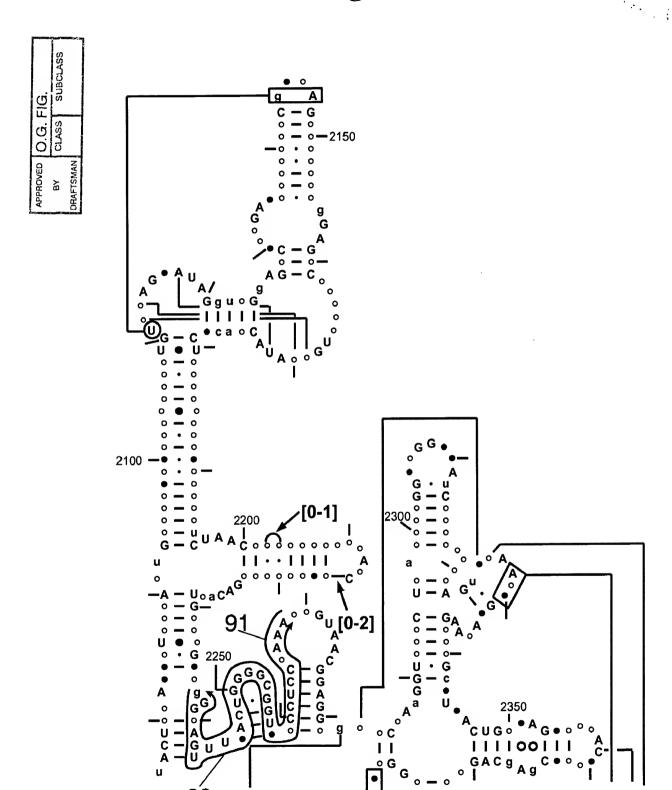
Fig. 1B-2





Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke

Fig. 1C-1



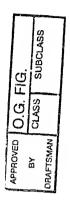
Docket No.: IBIS-0368 Appln. No: 09/891,793

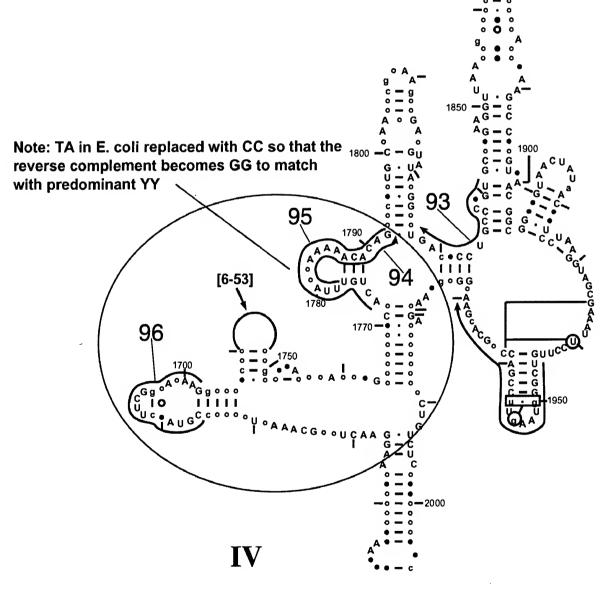
Title: SECONDARY STRUCTURE DEFINING DATABASE AND METHO
FOR DETI ING IDENTITY AND GEOGRAPHIC ORIGIN OF AN
UNKNOW
AGENT THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 8 of 29

[0-4]

·[0-6]

Fig. 1C-2



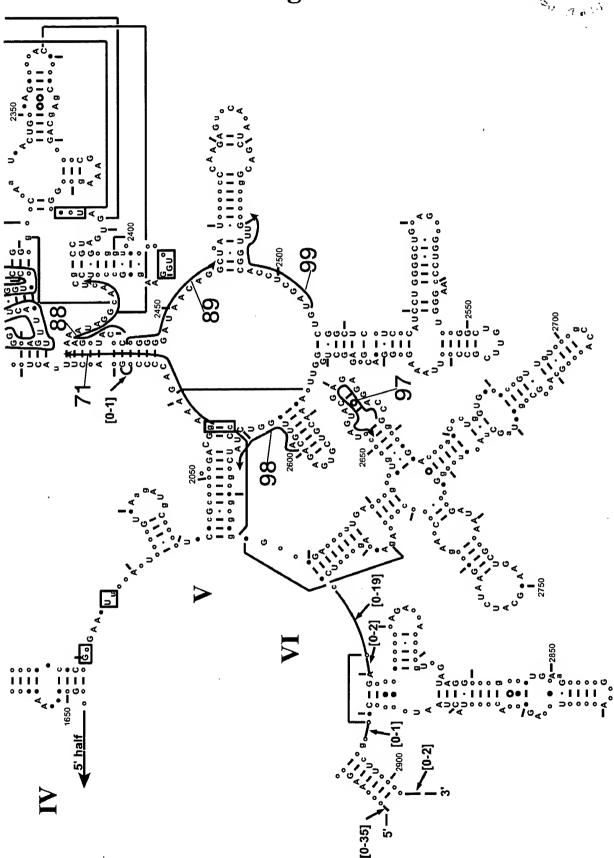


Docket No.: IBIS-0368 Appin. No. 09/891,793

Title: SECOND RY STRUCTURE DEFINING DATABASE AND METHO
FOR DETEI NG IDENTITY AND GEOGRAPHIC ORIGIN OF AN
UNKNOWN AGENT THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 9 of 29

Fig. 1D

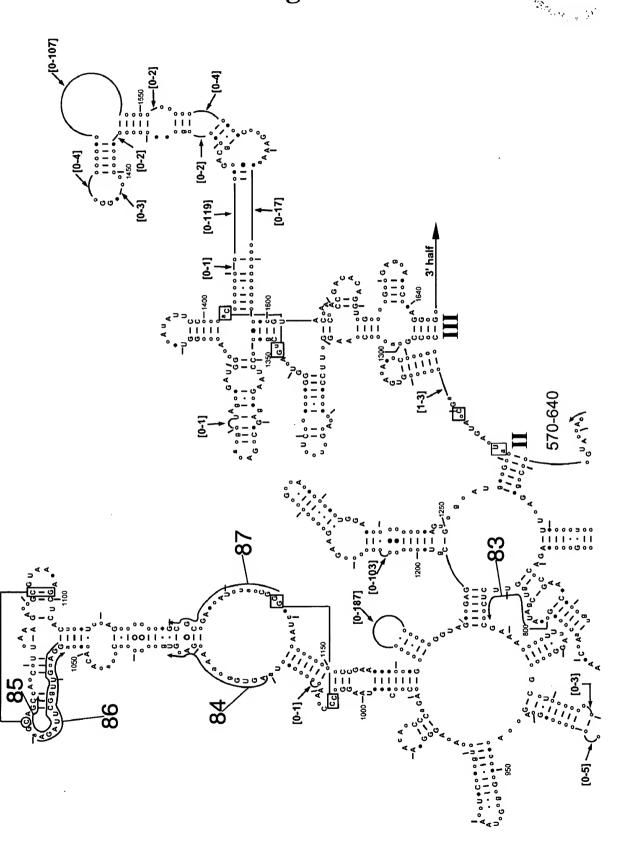
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Docket No.: IBIS-0368 Appln. No: 09/891,793

Title: SECOND SY STRUCTURE DEFINING DATABASE AND METHODS
FOR DETERM IN IDENTITY AND GEOGRAPHIC ORIGIN OF AN
UNKNOWN BISSENSE THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 10 of 29

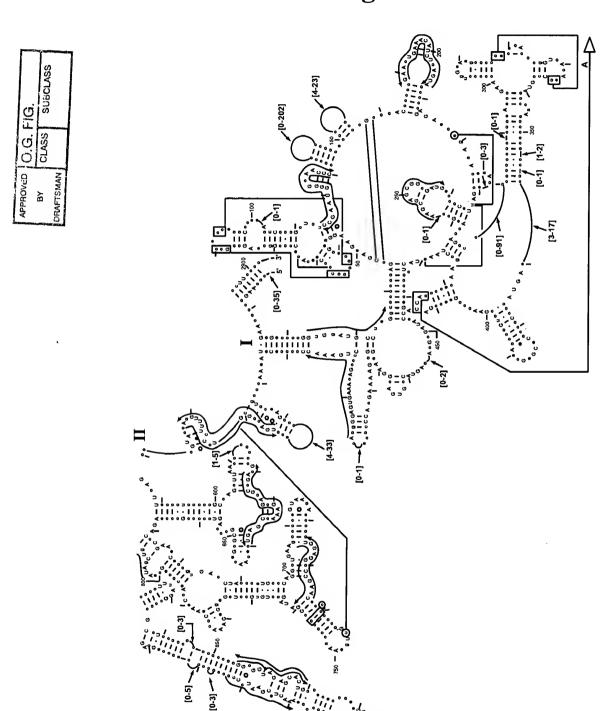
Fig. 1E



Docket No.: IBIS-0368 Appln. No: 09/891,793

Title: SECOMPARY STRUCTURE DEFINING DATABASE AND METHY
FOR DETHE ING IDENTITY AND GEOGRAPHIC ORIGIN OF AN
UNKNOWN AGENT THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 11 of 29

Fig. 1F



Docket No.: IBIS-0368 Appln. No: 09/891,793

Title: SECONDARY STRUCTURE DEFINING DATABASE AND MELHO
FOR DETE TO THE TOTAL OF AN 93.U/UEUE AGENT THEREBY Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 12 of 29 Fig. 1G [0-202] 7,6 [4-23] G G C G A A 0 150 0 0 0 G UGAO 200 [0-3] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 **a** 350 [0-1] [1-2]

APPROVED O.G. FIG.

Docket No.: IBIS-0368 Appln. No. 09/891,793

Title: SECONDARY STRUCTURE DEFINING DATABASE AND METHO
FOR DETER THE ORIGIN OF AN UNKNOWN GENT THEREBY

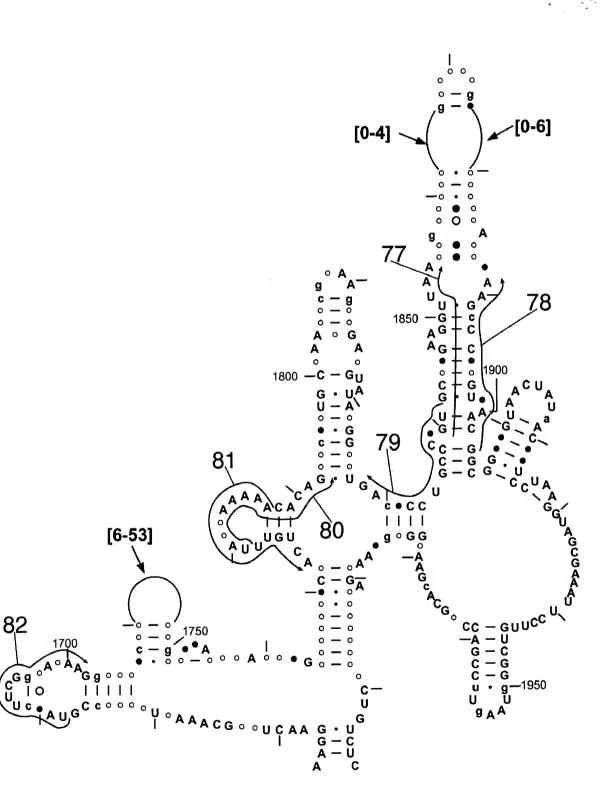
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven

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Fig. 1H

Sheet 13 of 29

93.0702



Docket No.: IBIS-0368 Appln. No: 09/891,793

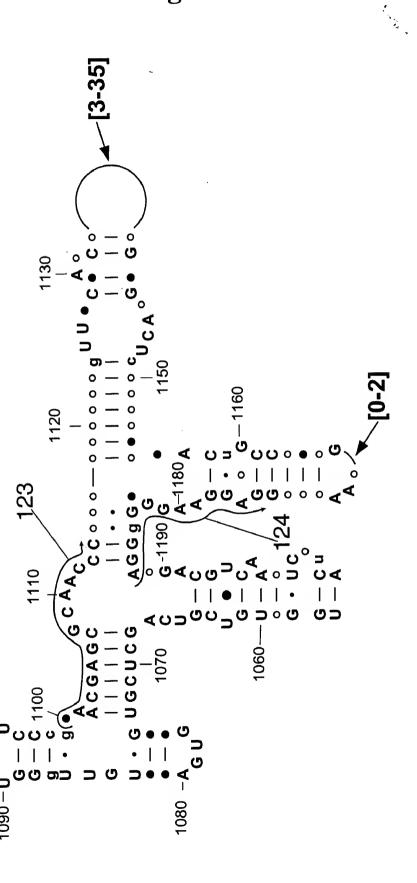
Title: SECO TRY STRUCTURE DEFINING DATABASE AND METHO
FOR DETERMINED THE REPORT OF THE REPORT OF

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 14 of 29

Fig. 2

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Docket No.: IBIS-0368 Appln. No. 09/891,793

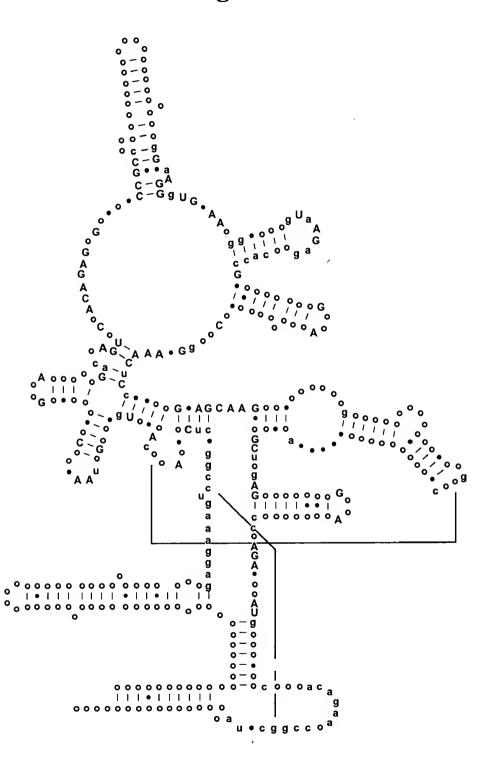
Title: SECONDARY STRUCTURE DEFINING DATABASE AND METHORS OF AN UNKNOWN BROAGENT THEREBY

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven

Hofstadler, John McNeil, Stanley T. Crooke Sheet 15 of 29

Fig. 3

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Docket No.: IBIS-0368 Appln. No: 09/891,793
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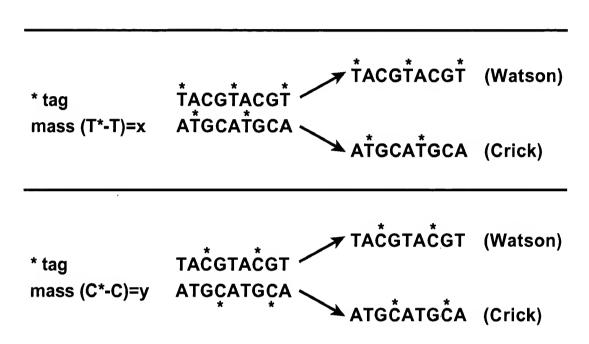
UNKNOWN-SIOAGENT THEREBY

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 16 of 29

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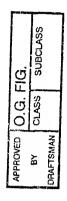
Fig. 4

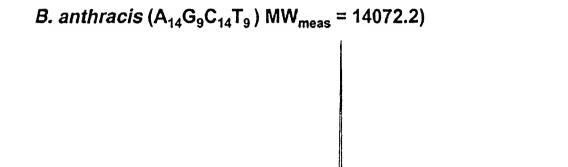


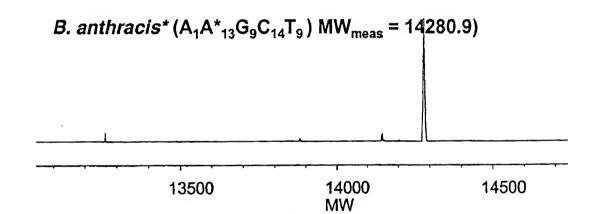


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Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 17 of 29

Fig. 5

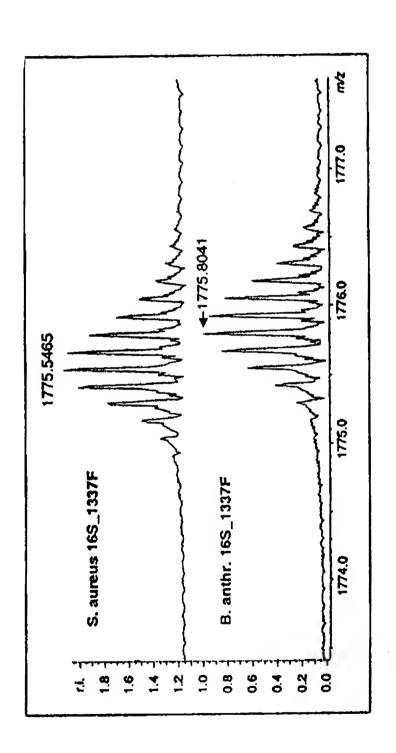






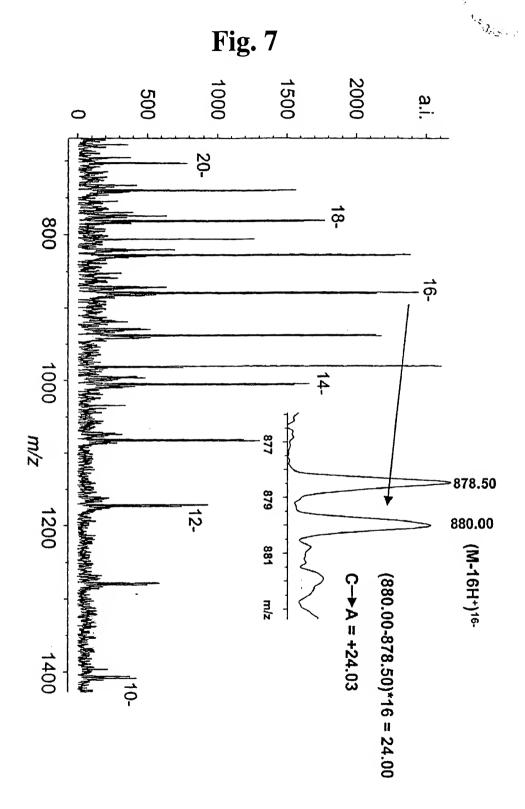
G-0368 Appin. No: 09/891,793 RY STRUCTURE DEFINING DATABASE AND METHO NG IDENTITY AND GEOGRAPHIC ORIGIN OF AN Docket No.: IBIS-0368 Title: SECQ FOR DETE UNKNOWN Broadent THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 18 of 29

Fig. 6



UNKNOWN BIOAGENT THEREBY

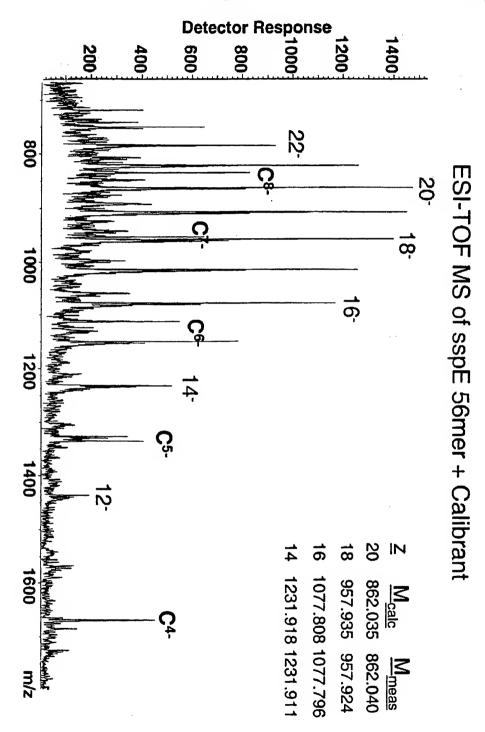
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 19 of 29



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Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 20 of 29

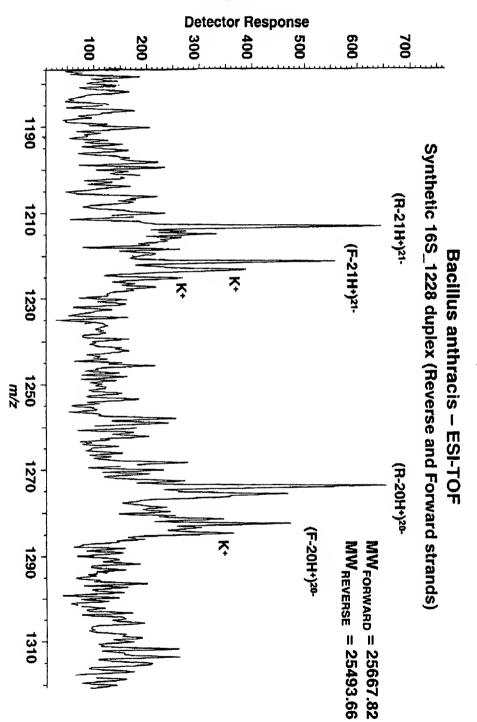
Fig. 8



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Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 21 of 29

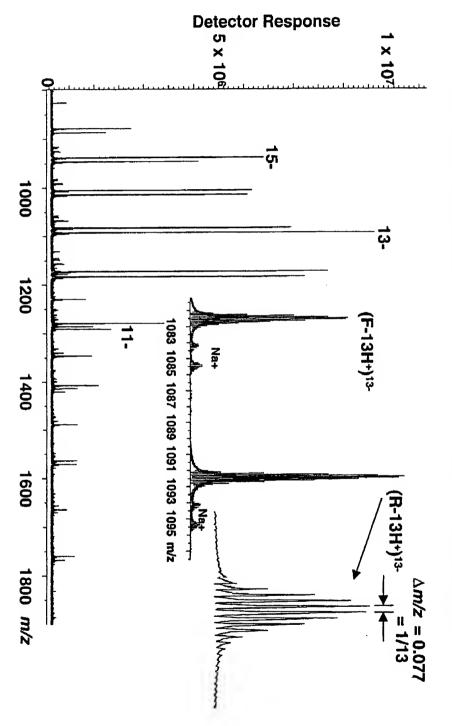
Fig. 9



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Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 22 of 29

Fig. 10

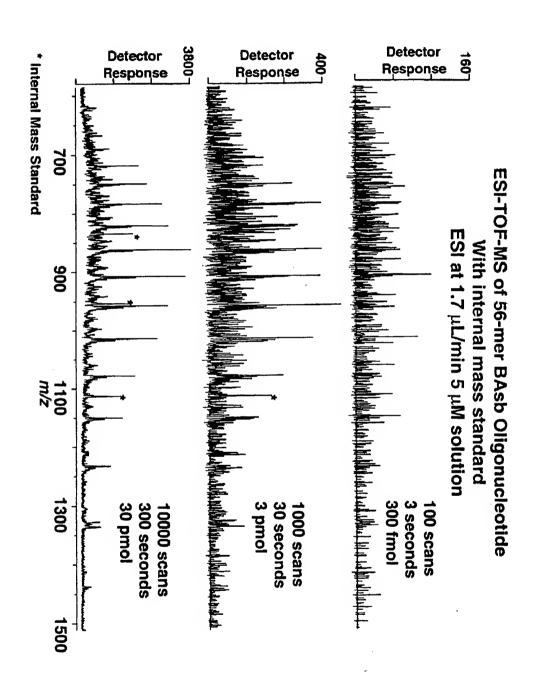


Synthetic Bacillus anthracis 16S_1337 46 bp duplex **ESI-FTICR-MS of**

UNKNOWN BIOAGENT THEREBY

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 23 of 29

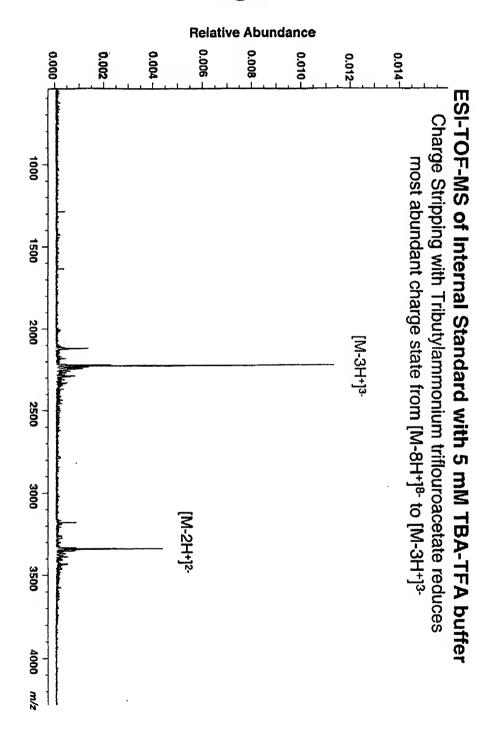
Fig. 11



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Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 24 of 29

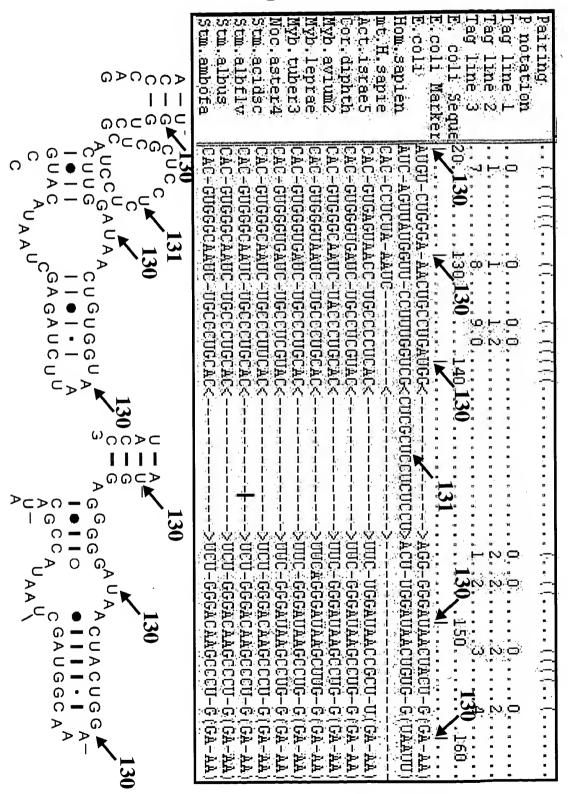
Fig. 12

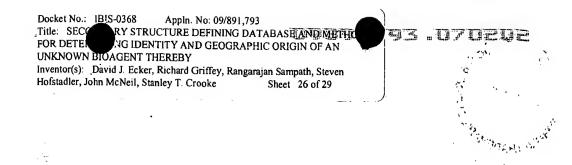


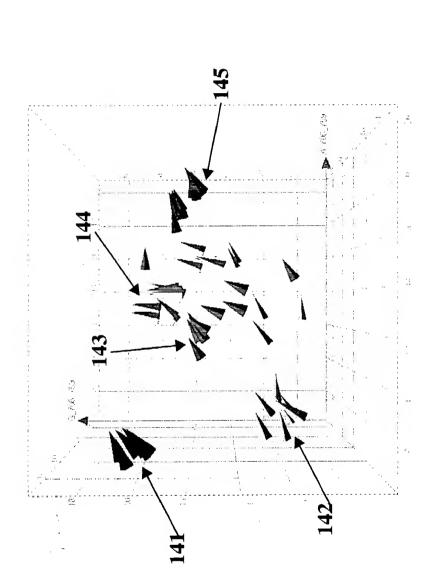
UNKNOWN BIOAGENT THEREBY

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 25 of 29

Fig. 13







O.G. FIG.

APPROVED

CLASS

T BY DRAFTSMAN

☐ Rhinovirus ☑ Simian Hepatitis A ■ Encephalomyocarditis virus ☐ Enterovirus

Docket No.: IBIS-0368 Appln. No. 09/891,793

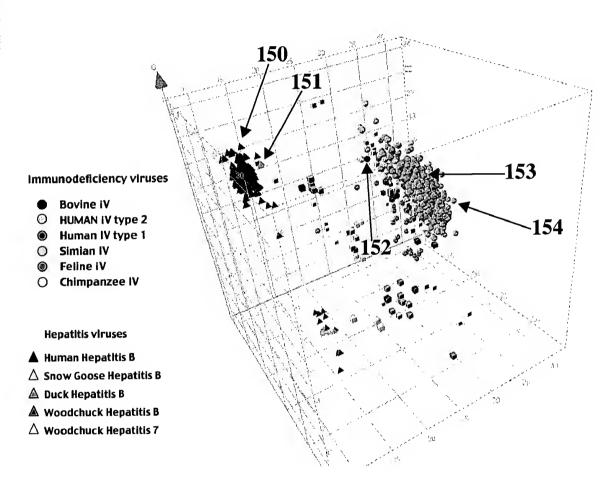
Title: SECO SECOND Y STRUCTURE DEFINING DATABASE AND METHOD
FOR DETERM 1 IDENTITY AND GEOGRAPHIC ORIGIN OF AN
UNKNOWN BIOAGENT THEREBY
Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven
Hofstadler, John McNeil, Stanley T. Crooke Sheet 27 of 29

Fig. 15

APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN



Docket No.: 1BIS-0368

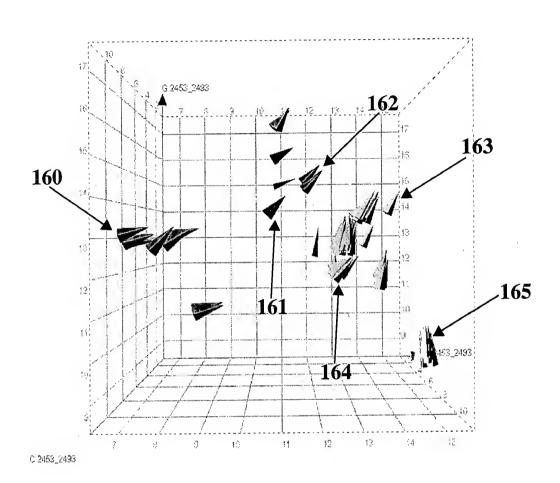
Appin. No: 09/891,793 TRUCTURE DEFINING DATABASE AND METHODS! Title: SECOND FOR DETERMIN SENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY

Inventor(s): David J. Ecker, Richard Griffey, Rangarajan Sampath, Steven Hofstadler, John McNeil, Stanley T. Crooke Sheet 28 of 29

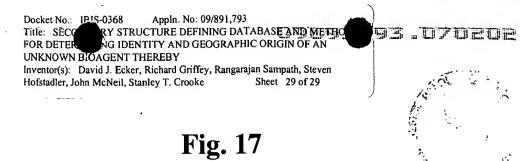
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Fig. 16





- Dengue virus type
- ☐ Dengue virus type
- Dengue virus type
- Flavi RdRp 2453-2493
- Japanese encephalitis virus
- Kunjin virus
- ☐ Murray valley encephalitis virus
- Tick-borne encephalitis virus
- West Nile virus
- ☐ Yellow fever virus



O.G. FIG.

APPROVED

